

INTERNATIONAL SEARCH REPORT

PCT/IB 02/05415

A. CLASSIFICATION OF SUBJECT MATTER IPC 7 G09G3/20 G09G3/36		
According to International Patent Classification (IPC) or to both national classification and IPC		
B. FIELDS SEARCHED Minimum documentation searched (classification system followed by classification symbols) IPC 7 G09G G02F		
Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched		
Electronic data base consulted during the International search (name of data base and, where practical, search terms used) EPO-Internal		
C. DOCUMENTS CONSIDERED TO BE RELEVANT		
Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 6 061 039 A (RYAN DEAN E ET AL) 9 May 2000 (2000-05-09) column 4, line 42 -column 4, line 67; figures 1,2 column 5, line 38 -column 5, line 62; figure 7 column 6, line 58 -column 6, line 65 column 8, line 19 -column 8, line 31 ---	1-15
X	DE 199 50 839 A (KOWALSKY WOLFGANG ;FRAUNHOFER GES FORSCHUNG (DE)) 23 May 2001 (2001-05-23) column 4, line 64 -column 6, line 53; figures 1-4 --- -/--	1,3-15
<input checked="" type="checkbox"/> Further documents are listed in the continuation of box C. <input checked="" type="checkbox"/> Patent family members are listed in annex.		
* Special categories of cited documents : "A" document defining the general state of the art which is not considered to be of particular relevance "E" earlier document but published on or after the international filing date "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified) "O" document referring to an oral disclosure, use, exhibition or other means "P" document published prior to the international filing date but later than the priority date claimed "T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art. "&" document member of the same patent family		
Date of the actual completion of the international search 21 February 2003		Date of mailing of the international search report 28/02/2003
Name and mailing address of the ISA European Patent Office, P.B. 5818 Patentlaan 2 NL - 2280 HV Rijswijk Tel. (+31-70) 340-2040, Tx. 31 651 epo nl, Fax: (+31-70) 340-3016		Authorized officer Morris, D

INTERNATIONAL SEARCH REPORT

PCT/IB 02/05415

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT		
Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	FR 2 640 791 A (CHENG ERIC) 22 June 1990 (1990-06-22)	2
A	page 11, line 25 -page 12, line 30; figures 1A,1B,2-5 ---	1,3-15
Y	US 5 420 482 A (PHARES LOUIS A) 30 May 1995 (1995-05-30)	2
A	column 4, line 39 -column 4, line 53; figures 4,7 ---	1,9-15
A	EP 0 689 181 A (TEXAS INSTRUMENTS INC) 27 December 1995 (1995-12-27) page 2, line 30 -page 2, line 51; figures 1,2 ---	1-15
A	THOMSEN A ET AL: "A PIXEL SCALE DIGITAL TO ANALOG CONVERTER FOR LIQUID CRYSTAL ON VLSI DISPLAYS" 1995 IEEE INTERNATIONAL SYMPOSIUM ON CIRCUITS AND SYSTEMS (ISCAS). SEATTLE, APR. 30 - MAY 3, 1995, INTERNATIONAL SYMPOSIUM ON CIRCUITS AND SYSTEMS (ISCAS), NEW YORK, IEEE, US, vol. 2, 30 April 1995 (1995-04-30), pages 837-840, XP000558813 ISBN: 0-7803-2571-0 page 837, right-hand column, paragraph 2; figure 2 page 839, left-hand column, paragraph 4 -----	1-15

INTERNATIONAL SEARCH REPORT

Patent family

PCT/IB 02/05415

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
US 6061039	A	09-05-2000	NONE	
DE 19950839	A	23-05-2001	DE 19950839 A1	23-05-2001
FR 2640791	A	22-06-1990	FR 2640791 A2	22-06-1990
US 5420482	A	30-05-1995	AU 6034394 A	29-08-1994
			CA 2155858 A1	18-08-1994
			WO 9418809 A1	18-08-1994
EP 0689181	A	27-12-1995	US 5499062 A	12-03-1996
			CA 2149930 A1	24-12-1995
			CN 1120678 A ,8	17-04-1996
			DE 69514285 D1	10-02-2000
			DE 69514285 T2	10-08-2000
			EP 0689181 A1	27-12-1995
			JP 8201707 A	09-08-1996
			SG 32374 A1	13-08-1996